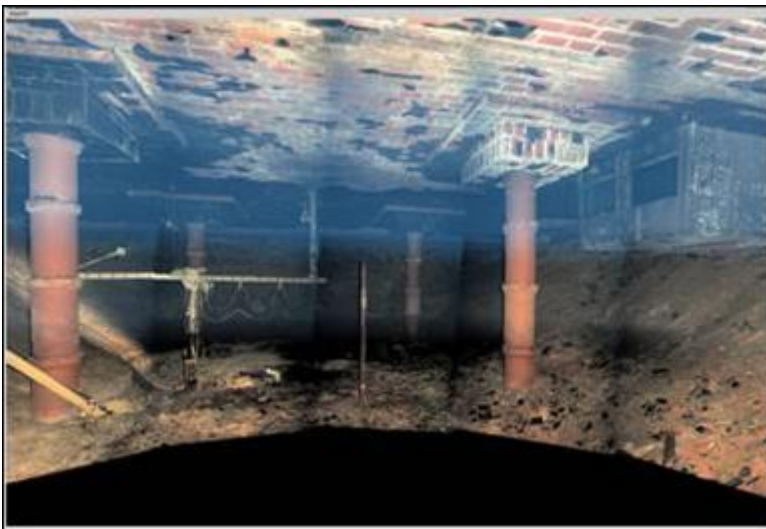


# **Nuclear Material Stabilization and Disposition (RL-0011)**

**D. B. Klos, Vice President of Plutonium  
Finishing Plant Closure Project/  
(509) 373-3574**



*South end of the  
216-Z-9 Crib*

*216-Z-9 Crib Inspection  
- Robot photographing  
clamshell*



## Overview

This section addresses work in Project Baseline Summary RL-0011, *Nuclear Material Stabilization and Disposition*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of June 2007.

## Notable Accomplishments

### Disposition the Plutonium Finishing Plant (PFP) Facility

- Completed 241-Z demolition activities June 8, 2007 - four years ahead of the Tri-Party Agreement (TPA) date.
- Deployed a fixed camera and crawler into the 216-Z-9 crib to inspect the slab and equipment.
  - Initial inspection data has been obtained and a structural evaluation has been initiated.
- Completed unpackaging of ninety-three (93) 9975 shipping containers.
- Continued process equipment removal from gloveboxes 227T and HA-14P.
- Prepared to drain the HA-23S water walls - a 'mock' run was performed.

## FY 2007 Funds vs. Spend Forecast (\$M)

	Projected FY 2007 Funding	FY 2007 Fiscal Year Spend Forecast	Variance
Nuclear Materials Stabilization and Disposition	\$ 98.2	\$ 99.0	\$ -0.8 *

\* PFP Closure Project and FH management are taking actions to ensure funds are not exceeded at year end.

## Schedule/Cost Performance (\$M)

Nuclear Materials Stabilization & Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion (FY07/ CTD)
Current Period (Month)	\$8.8	\$10.1	\$8.3	\$1.2	14.1%	\$1.8	17.9%	\$92.1
Cumulative to Date (FY 2004 - Present)	\$544.3	\$556.2	\$523.1	\$11.9	2.2%	\$33.1	6.0%	\$655.3

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

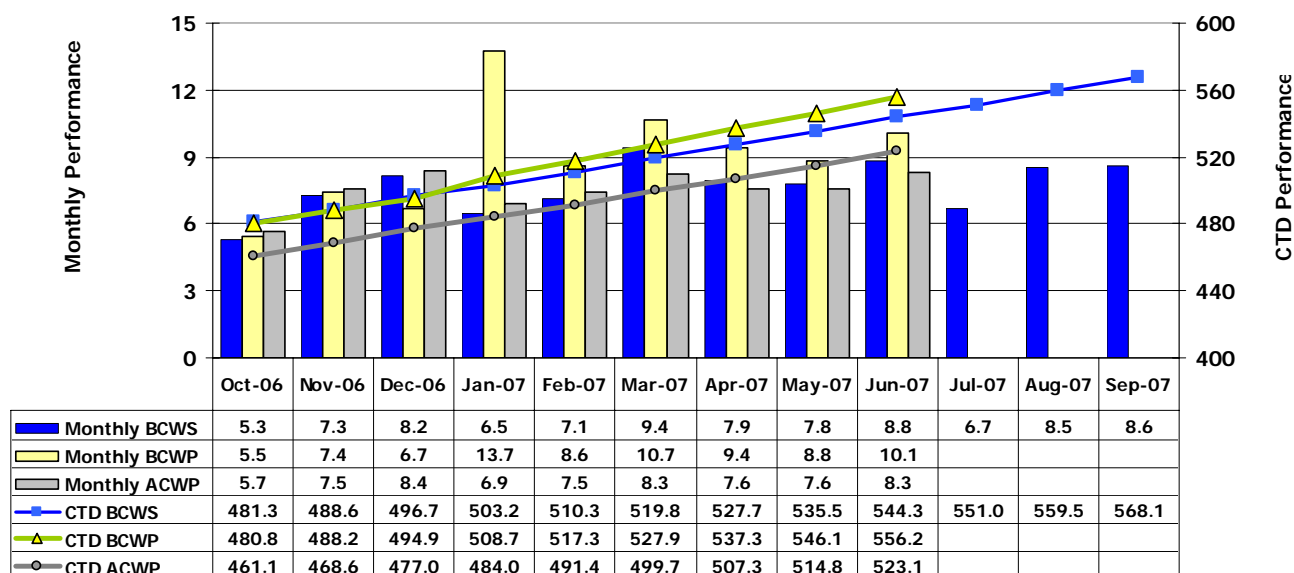
## Schedule/Cost Performance, continued

**CTD Schedule Performance: (+\$11.9M/+2.2%):** The positive schedule variance is due to accelerated progress on planning and glovebox cleanout in the 234-5Z facility, and associated apportioned support activities.

**CTD Cost Performance: (+\$33.1M/+6.0%):** The positive cost variance is due to:

- Work efficiencies in 234-5Z glovebox cleanout and apportioned support activities.
- Favorable solid waste disposition rates.
- Completion of roof repair, MICON recabling, and special nuclear material (SNM) stabilization activities under cost.
- Efficiencies in miscellaneous materials disposition.
- Reduced resource requirements for SNM De-inventory and Disposition Planning, and
- Reduced overhead costs/allocations.

### Performance Analysis CTD and Monthly (\$M)



## Milestone Achievement

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comments
TRP-06-533	RCRA Closure Activities Completed For Each 241Z Cell With RCRA Permitted Tanks	PI	10/30/06	10/26/06		Complete
TRP-06-537	234-5Z Roof Repair Completed	PI	3/31/07	9/28/06		Complete
TRP-07-501	Complete Internal Cleanout of Eight Gloveboxes by September 30, 2007	PI	9/30/07		9/30/07	On Schedule
TRP-07-502	Operator Certification and Professional Engineer Certification on the RCRA 241-Z Closure Submitted to DOE	PI	3/30/07	12/8/06		Complete
TRP-07-503	241-Z Transitioned to Demolition Ready Condition	PI	6/30/07	3/29/07		Complete
TRP-07-504	241-Z Demolished to Slab-On-Grade	PI	9/30/07	6/8/07		Complete
TRP-08-004	Removal Action Work Plan for the 216-Z-9 Crib Complex Submitted to DOE	PI	9/30/08		9/30/08	On Schedule
TRP-08-005	Implement the Necessary Lay-up Activities to Place PFP in a Safe Configuration Until D&D Resumes	PI	9/30/08		9/30/08	On Schedule
TRP-08-025	Complete 216-Z-9 Facility Condition Analysis by 30 September 2008	PI	9/30/08		11/30/07	Ahead of Schedule
TRP-11-502	Complete Closure of the PFP 241-Z TSD Unit	PI	9/30/11	2/22/07		Complete
TRP-11-503	Complete Transition and Dismantlement of 241-Z Waste Treatment Facility	PI	9/30/11	6/8/07		Complete